

as from the Seneca basin, which has 2.36 times as large a drainage area.

TABLE 6.—Drainage per square mile.

River.	Drainage area above gaging station.	Mean flow, 1903-1905.	
		Cubic feet per second.	Cubic feet per second per square mile.
Square miles.			
Oneida.....	1,313	3,410	2.60
Seneca.....	3,103	3,856	1.24
Oswego.....	4,990	8,187	1.64

For a number of the streams here considered the run-off data for the winter period have been omitted in order to eliminate such uncertainty as may arise in measuring snowfall and in gaging frozen streams.

The gaging record for West Canada Creek, which has been kept at Twin Rock Bridge, is less reliable for winter than for summer, and probably gives somewhat excessive results. Allowing for any probable error, the recorded run-off is still greater than can be accounted for from the measured winter precipitation. For the summer season the measured run-off and precipitation are consistent. This is shown by the following Table 7:

TABLE 7.—Precipitation and run-off, in inches, West Canada Creek basin.

May to November.			December to April.		
	Precipi- tation.	Run-off.	Year.	Precipi- tation.	Run-off.
1901.....	36.63	15.03	1900-1901	16.61	17.78
1902.....	34.25	26.17	1901-1902	25.93	31.71
1903.....	34.35	24.98	1902-1903	26.21	34.24
1904.....	30.30	22.90	1903-1904	30.17	21.92
1905.....	41.06	27.07	1904-1905	14.93	20.47
Mean	35.32	23.23	1905-1906	16.61	28.09
				21.74	25.70

Similar data may be deduced from a comparison of the winter and summer records for other streams heading in the southwestern Adirondack slope. Such studies lead to the conclusion that the measured winter precipitation in this region is considerably less than the actual precipitation.

An effort has been made to ascertain the facts by the establishment of special snowfall stations, but for the present only general evidence is available. It is frequently reported, and the writer has himself seen late in winter, a snow accumulation in the woods of this region greater than the total reported precipitation for the winter at the nearest station.

The data cited are only a portion of those available indicating excessive run-off from the southwestern slope, as compared with either the observed rainfall or with the run-off from other Adirondack streams. The excess in case of the Moose, Beaver, and Black rivers is less marked than for east branch Fish Creek, upper Mohawk River, and West Canada Creek, indicating so far as such evidence may be given weight that the rainfall summit lies farther to the southwest and is more pronounced than appears from the available precipitation records.

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